

## EAST Search History

| Ref # | Hits | Search Query                              | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|---|--|------------------|---------|------------------|
| S1    | 6    | ("5577121" or "5500808" or "6651107").pn. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/06/01 10:54 |
| S2    | 2    | "5475756".pn.                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/05/31 16:15 |
| S3    | 4    | ("6463537" or "6370649").pn.              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/05/31 16:16 |
| S4    | 2943 | "linear feedback shift register"          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/06/01 10:54 |
| S5    | 272  | S4 and NAND                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/06/01 10:54 |
| S6    | 157  | S5 and @ad<"19991029"                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/06/01 10:55 |
| S7    | 106  | S6 and (inverter or "not gate")           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/06/01 10:56 |
| S8    | 1    | S7 and hash                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/06/01 10:55 |

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|     |      |  |  |    |    |                  |
|-----|------|--|--|----|----|------------------|
| S9  | 1    | S7 and ("linear feedback" with NAND)                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/01 12:06 |
| S10 | 2943 | "linear feedback shift register"                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/01 12:06 |
| S11 | 272  | S10 and NAND   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/01 12:06 |
| S12 | 157  | S11 and @ad<"19991029"                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/01 12:06 |
| S13 | 5    | S12 and ("linear feedback" with NAND)                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/01 12:12 |
| S14 | 69   | (nand adj gate) with universal                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/01 12:13 |
| S15 | 52   | S14 and @ad<"19991029"                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/01 12:24 |
| S16 | 0    | S15 and (linear adj feedback adj shift adj register) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/01 12:13 |

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|     |        |   |  |    |    |                  |
|-----|--------|---|--|----|----|------------------|
| S17 | 0      | S15 and (linear adj feedback)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/01 12:13 |
| S18 | 8610   | NAND with ((activat\$3 or enable)<br>with (pulse or signal))                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/01 12:25 |
| S19 | 21     | S18 and (linear adj feedback)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/01 12:26 |
| S20 | 17     | S19 and @ad<"19991029"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/01 12:26 |
| S21 | 6485   | (manufacturer with (passcode or<br>password or pin or key))                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/01 16:36 |
| S22 | 2996   | S21 and @ad<"19991029"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/01 16:36 |
| S23 | 30     | S22 and ((get\$4 or acquir\$3) with<br>manufacturer)                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/01 16:47 |
| S24 | 709474 | (enabl\$3 or activat\$3) with<br>(component or device or electronic<br>or computer) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/01 16:44 |

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|     |        |   |  |    |    |                  |
|-----|--------|---|--|----|----|------------------|
| S25 | 352075 | S24 and @ad<"19991029"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/01 16:44 |
| S26 | 2666   | S25 and (random adj number)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/01 16:45 |
| S27 | 537    | S26 and (hash or md5 or checksum)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/01 16:45 |
| S28 | 37     | S27 and (host and (manufacturer with (passowrd or passcode or pin or key)))                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/01 16:45 |
| S29 | 34     | S28 and (public adj key)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/01 16:46 |
| S30 | 0      | S29 and ((get\$4 or acquir\$3) with manufacturer with (pin or passcode or password or key)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/01 16:50 |
| S31 | 77     | ((get\$4 or acquir\$3) with manufacturer with (pin or passcode or password or key))         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/01 16:50 |
| S32 | 11     | S31 and @ad<"19991029"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/01 16:53 |

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|     |     |  |  |    |    |                  |
|-----|-----|--|--|----|----|------------------|
| S33 | 775 | conditional adj access adj system                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/01 16:53 |
| S34 | 244 | S33 and @ad<"19991029"                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/01 16:54 |
| S35 | 99  | S34 and (smart adj card)                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/01 16:54 |
| S36 | 15  | S35 and (random adj number)                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/01 16:54 |
| S37 | 10  | S36 and hash   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/01 16:54 |
| S38 | 10  | S37 and (encrypt\$3 or encipher\$3)                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/01 16:57 |
| S39 | 8   | S38 and public adj key                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/01 16:57 |
| S40 | 8   | ("6370649" or "5577121" or "6463537" or "5383143").pn. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/02 14:02 |

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|     |       |  |   |    |    |                  |
|-----|-------|--|---|----|----|------------------|
| S41 | 2     | "6389402".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB      | OR | ON | 2005/06/03 08:57 |
| S42 | 13251 | (713/1-2,182-185,189-191,194.ccls.<br>or 708/200,230,231,250,252.ccls. or<br>705/50,59.ccls. or 380/277-285.<br>ccls. or 726/2,5-7,26-29,34.ccls.) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB      | OR | ON | 2006/07/05 09:56 |
| S43 | 4621  | S42 and @ad<"19991029"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/05 09:57 |
| S44 | 3345  | S43 and (enabl\$3 or activat\$3)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/05 10:32 |
| S45 | 737   | S44 and (random adj (value or<br>number))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/05 09:58 |
| S46 | 0     | S45 and ((manufacturer or factor or<br>maker) with (pass adj (code or<br>word or phrase)))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/05 10:33 |
| S47 | 27    | S45 and (lfsr or "linear feedback<br>shift register")  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/05 10:20 |
| S48 | 2     | "6490684".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/05 11:26 |

## EAST Search History

|     |      |   |   |    |    |                  |
|-----|------|---|---|----|----|------------------|
| S49 | 1846 | S43 and (enabl\$3 or activat\$3) with (switch or controller or chip or component or section or device or electronic or function\$5)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/05 11:28 |
| S50 | 810  | 725/25-30.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/05 10:32 |
| S51 | 366  | S50 and @ad<"19991029"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/05 10:33 |
| S52 | 4977 | S51 or S43  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/05 10:33 |
| S53 | 1999 | S52 and ((enabl\$3 or activat\$3) with (switch or controller or chip or component or section or device or electronic or function\$5)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/05 10:33 |
| S54 | 120  | S45 and ((manufacturer or factor or maker) with ((pass adj (code or word or phrase)) or key))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/05 10:36 |
| S55 | 147  | S53 and ((manufacturer or factor or maker) with ((pass adj (code or word or phrase)) or key))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/05 10:34 |
| S56 | 456  | (713/182-194.ccls. or 726/26-29,34.ccls.) and @ay="1999"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/05 11:28 |

## EAST Search History

|     |     |  |   |    |    |                  |
|-----|-----|--|---|----|----|------------------|
| S57 | 175 | S56 and (enabl\$3 or activat\$3) with (switch or controller or chip or component or section or device or electronic or function\$5)        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/05 11:29 |
| S58 | 45  | S56 and ((enabl\$3 or activat\$3) with (switch or controller or chip or component or section or device or electronic or function\$5)).clm. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/05 11:29 |
| S59 | 7   | S58 and (random.clm.)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/05 11:29 |



## EAST Search History

| Ref # | Hits    | Search Query   | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|---------|--|--|------------------|---------|------------------|
| S1    | 12227   | 713/1-2,182-185,189-191,194.ccls.<br>or 708/200,230,231,250-252.ccls.<br>or 705/50,59.ccls. or 380/277-285.<br>ccls. or 726/2,5-7,26-29,34.ccls. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/03/06 16:50 |
| S2    | 4608    | S1 and @ad<"19991029"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/03/06 16:53 |
| S3    | 1028359 | (enabl\$3 or activat\$3) with (switch<br>or controller or chip or component<br>or section or device or electronic)                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/03/06 16:54 |
| S4    | 1335    | (random) with ("LFSR" or "linear<br>feedback shift register")  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/03/06 16:55 |
| S5    | 36      | S4 and ("LFSR" with (ring or<br>oscillator))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/03/06 16:56 |
| S6    | 10      | S5 and @ad<"19991029"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/03/06 17:04 |
| S7    | 2       | S6 and S3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/03/06 16:56 |
| S8    | 3       | S6 and (hash\$3 or digest or md\$1<br>or checksum)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/03/06 17:02 |

## EAST Search History

|     |      |   |  |    |    |                  |
|-----|------|---|--|----|----|------------------|
| S9  | 164  | S3 and (compar\$3 with (encrypt\$3 or encipher\$3) with (hash\$3 or digest or md\$1 or checksum)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/06 17:05 |
| S10 | 35   | S9 and @ad<"19991029"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/06 17:06 |
| S11 | 28   | S10 and ((public or asymmetric) adj key)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/06 17:09 |
| S12 | 1565 | S2 and S3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/06 17:09 |
| S13 | 9    | S12 and S4  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/06 17:14 |
| S14 | 58   | 713/191.ccls. and @ad<"19991029"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/06 17:14 |
| S15 | 25   | S14 and S3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/06 17:14 |
| S16 | 8    | ("5577121" or "6370649" or "6463537" or "6065029").pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/07 11:53 |